

From owner-qrp-l@netcom.com Fri Apr 28 23:07:18 1995
Message-Id: <199504282307.TAA16367@jfwhome.funhouse.com>
Subject: Re: 'CWese' help needed
Date: Fri, 28 Apr 1995 19:07:18 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> Another note, I thought the ARRL standard for SK was
> blah blah blah, etc... SK AA1AA DE KD8NY
> then if you are closing the station end with a CL

OK, I finally looked in the ARRL Operating Manual, and sure enough, they recommend closing a contact with SK DE WB7EEL (followed by CL if you're pulling the switches), which isn't what I remember. I'll have to dig up my 1963 Handbook and see if this is something that has changed or if I've just been doing it wrong all this time. (There has been one definite change, in that you no longer are required to ID both stations at the end of a contact.)

From owner-qrp-l@netcom.com Fri Apr 28 21:15:56 1995
Message-Id: <9504282115.AA16167@us1rmc.bb.dec.com>
Date: Fri, 28 Apr 95 17:15:56 EDT
From: Bill Acito 28-Apr-1995 1713 <acito@asdg.enet.dec.com>
Subject: 2" from someone who usually stays out of it

Bruce Strong, hs0zbo@sura1.sut.ac.th, wrote:

|What is the title of the list? What has that got to do with last
|Monday's weather in Dayton, Ohio? Just one reasonable tie-in why
|an international _qrp_ list should be a place for local weather
|reports will shut me up! Don't lose focus!

Pulled from my last subscription memo:

|Welcome to the Internet QRP mailing list.

|The QRP mailing list is open for discussion of any subjects
|relating to low-power amateur radio operation. Example topics:
|portable operation, equipment design and construction, solar and
|battery power, QRPp, contesting, kit building,

I don't know Bruce... You talk about "focus", but that description seems pretty much open-ended to me. Btw, I don't see any reference to this being an international list; maybe we should exclude those folks? (of course I don't mean that, and no

offense to our international brethren... just making a point).

A 'list' always has a distribution of interests; in this case it centers on QRP, and based on the people who frequent it, it's center of interest will move and adjust. We have our discussions and our comparisons, but this is also an excellent medium to coordinate and plan. A large portion of the active readership will be at Dayton. I would consider the weather an important part of the enjoyment of that activity. But it's not one that requires a separate list. My opinion; I shouldn't speak for the 20% who are going. Likewise, I think it's a reach for you to speak for the 80% who aren't.

|Start a Dayton list. Take it there.

My understanding is that starting lists are not trivial tasks.

I'm not going to Dayton; I wish I was. But I don't mind if the folks who frequent this list coordinate, plan, or decide if they need to take some rain gear.

Someone was nice enough to make badges for everyone... should have definitely set up a separate list just for that. (kidding)

I don't have an 80m rig, but I didn't mind the conversation around the Colorburst activity. Should that have been a separate list?

Let's see... Field Day is coming up. That's not 'international'... probably should move that discussion off line, too, eh? (again, I'm kidding).

| I just don't see how it can be justified on a qrp discussion.
|'Taint got nuttun to do with radio.

But a lot to do with some of the people that operate radios, a good portion of this readership. Your opinion; you're entitled.

|If you suggest I be patient, I'd suggest you be considerate.

I suggest we let this list's focus be determined by inertia, and not mandate.

respectfully,

b

. - I own my own words -

Bill Acito	d i g i t a l
acito@asdg.enet.dec.com	Digital Semiconductor - Fab 6
	Hudson, MA
kc1gs (qrp-ne #260, arrl life)	

From owner-qrp-1@netcom.com Mon May 1 15:08:15 1995
From: pablo@rmece02.upr.clu.edu
Message-Id: <9505011508.AA15887@paulina.upr.clu.edu>
Subject: 40 Meters, for qrp?
Date: Mon, 1 May 1995 10:08:15 -0500 (EST)

HI guys

Hope that all of you who went to Dayton have enjoyed it and thanks god no more WX messages will be send! Now back to the stuff. Since I came to the air on january 1st I haven't made a decent QSO on 40 meters. I dont know if it's bad luck but every-time the noise is so strong that my cw filters aren't able to remove all that mess. I would like to know if there is a better time during the year for qrp on 40, most of the times i tried my luck abt 0400 utc. If there is a better time please let me know. BTW i use a resonant monoband dipole on my HW-8 for 40 meters, is there a less noisy antenna? I have been able to make a couple decent QSOs in the morning abt 1200 utc. I would like to know if any of you have the same problem. Thanks for Your time!

73
Pablo, WP4JXD.

From owner-qrp-1@netcom.com Mon May 1 23:39:03 1995
Message-Id: <n1412772525.75627@msmailgw1.arlut.utexas.edu>
Date: 1 May 1995 17:39:03 -0600
From: "rohre" <rohre@arlut.utexas.edu>
Subject: 40M, noise and the HW-8 from P.R.

Pablo laments his lack of success on 40M from WP4 land.

Perhaps it is not just the sometimes poor propagation we have had re the lack of sunspots; but also the use of the HW-8 receiver. Pablo, as you may know, a

direct conversion receiver such as this has a number of limits. It will pick up a signal both sides of zero beat, thus, you have to be careful you are always tuning from the same or know direction, so you get the "right" signal centered in the receiver, and then you will have the right offset to work the other station you call.

Also, the HW 8 and other direct conversion receivers have such high audio gain, they may pick up electrical noise from the power lines. Pablo, do you still have noise problems at the times you like to operate if you temporarily power the rig on a battery, with no connection to AC mains? That includes keeping all of the HW 8 wiring away from AC operated things for this test.

Now it is good that you mention the times you have been operating. I am unsure how many hours your local time is off GMT, but I think you may be within an hour of Eastern U.S. time. It is possible that you are operating at times 40 has skip changing, and going out. Also, it may be times that more electrical noise is around your location, from folks using lighting, and appliances in the evening. Perhaps this is a clue, for you say you have better luck early in the morning, which I took to mean after sunrise. Good DX may be found around local sunrise and sunset.

40 has been very good in the mid evening hours to about midnight in the Central U. S. time zone, which is now on daylight time, 5 hours earlier to GMT, Zulu time. But that is only when we have had decent sunspot numbers. Last midnight was extremely poor, as the solar forecast is low on sunspots now. Mid May should be better than this first week. There are more Solar disruptions and storms lately with few sunspots. If you can get WWV on 10 Mhz, you could check the propagation forecasts at 18 minutes after each hour. The explanation of the numbers they give are in articles on propagation in Handbooks such as the ARRL Handbook, and various operating and DX manuals. Maybe a local library at a college would have books that go into more detail on propagation forecasting. But the main point is that we are all having difficulty for the next year or so until the sunspot cycle goes back up.

Finally, is your antenna parallel to any power lines? You must not be at the same height as the power wires, or you will have much difficulty with noise pickup. If you can manage to put up a high enough support (45 ft.), like sections of PVC water pipe glued together, you might try a half wave vertical dipole, with one half truly vertical, and the other horizontal, or sloping. This would work to see if your noise is coming in on the polarization of antenna you were using before. You might go all the way to using a magnetic full wave wire loop in triangle, square, or any way you can hang it to lower the pickup of electric field noise in the neighborhood, and it would give you some gain over the dipole, if you have the space. As a triangle, it would of course take up 43.3 ft. on a side, (and that might be most of ones yard, in my case.) Again, you might be lucky and have a friendly tall palm or pole you could hang it on. Well, there are some ideas on first finding out if it is your receiver, and then things around your location, or antenna pickup of extra noise, so let us hear

what your experiments show!--Stuart K5KVH

From owner-qrp-l@netcom.com Mon May 1 22:11:14 1995
Date: Mon, 01 May 95 08:52:37 ast
From: "Jim Larsen" <jlarsen@alasc.com>
Message-Id: <9504017993.AA799343637@mailrouter.alasc.com>
Subject: Alaska to California works ok.

Greetings from Alaska!

Just for kicks I tuned around on 7.040 last night. Heard a W6 calling CQ. No QRP on the end of the call but what the heck. I returned the call using 4 watts to a G5RV at 38 feet. Paul came right back and gave me a 459 or was it a 549 (log is at home). He is in the San Fran area. Well, he was running 1 watt so we bagged a 2-way QRP.

So you see, Alaska to California still works.

I might add, not all the time. But you all knew that, right?

73,

Jim
AL7FS
Anchorage, Alaska
where the sun is rising before 6 am and setting after 10 pm

From owner-qrp-l@netcom.com Mon May 1 20:05:18 1995
Date: Mon, 1 May 1995 16:05:18 -0400 (EDT)
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: Dayton - Most fun ever!
Message-Id: <Pine.SV4.3.91.950501160126.5327E-1000000@atl11.america.net>

I am excited! Good wx helped but all the QRP activities really made this my best Dayton. Having a good friend, Ken, KJ4XR along and cheering me on in the transceiver construction contest really helped too. It was great to meet so many folks both from qrp-l and from various club mastheads. Vince from our dinner table even won a nice door prize!

There are many people who made it great but some who come to mind:
Myron Koyle who arranged for the rooms.
George Dobbs with the great chats and the forum.

Meeting NN1G, hearing the forum, and buying a rig directly from him.
The banquet was great, but I don't remember the chap who handled it.
Preston for the qrp-l name tags.

Whoever had the parts for sale on Friday night at the hospitality room.

-I need some more 3.548 crystals to use in the Pixie 2 project here in Atlanta.

The construction contest was a blast. Thanks to Lowell Corbin, KD8FR, for turning on the overhead spotlight!

Thanks to Doug Hendricks, KI6DS, for all the ideas from NorCal.

Anyone else who was involved in setting up, taking down - thanks for the fun.

Sidenote: By Saturday noon, I was mad because the construction contest project took about two hours out of the morning to find the parts, but then I realized I had spent only \$8 for parts and otherwise I would probably have spent hundreds on stuff I don't really need! We were all over the boneyard for two hours only to find that Debco inside had all the parts at one stop! BTW Debco seems rather reasonable in price. I'd think they would appear on some of our supplier lists(maybe they do!)

Thanks to all and see everyone next year!

73/72/jim/w4qo

From owner-qrp-l@netcom.com Mon May 1 15:37:47 1995

From: rarland@epix.net

Date: Mon, 1 May 1995 11:37:47 -0400 (EDT)

Subject: Re: Dayton wx

Message-Id: <Pine.SUN.3.91.950501113304.3102B-100000@peach.epix.net>

On Mon, 1 May 1995, Bruce Strong wrote:

>

>

> On Sat, 29 Apr 1995 rarland@epix.net wrote:

>

> > On Fri, 28 Apr 1995, Larry East wrote:

> >

> > > Ok folks, they are in Dayton now, so we shouldn't be seeing any more Dayton

> > > WX reports -- give it a rest, OK??

> > >

> > >

> > On my first visit to Dayton (1992) I was milling around in the parking

> > lot and heard one ham say to another: "If the government wanted to clean

> > up the gene pool in the US all they'd have to do is nuke Dayton!" After
> > all the WX reports, I feel that we should bring this up to Janet Reno.
> >

> > 72 rich

> >

> Since most of the attendees are probably U.S. citizens, she just might
> do it!

>

> 73, bruce

>

>

You got that right! Too bad she didn't hire a columbian baby sitter and
then fail to take out federal taxes from the sitter's paycheck.....maybe she
wouldn't have been confirmed by the senate!

God, I love this country. Where else can you have a convicted felon turn
into a national hero and with a FOUR hour talk show on 300 stations and
another convicted felon run for the Senate.

Ain't America great?!?!?!?!?

72 rich

From owner-qrp-1@netcom.com Mon May 1 14:09:28 1995

Date: Mon, 1 May 1995 10:09:28 -0400

From: teda@meaddata.com (Ted Albert)

Message-Id: <9505011409.AA26687@rain.meaddata.com>

Subject: Fox Hunt Consolation Prize

Chuck Adams presented me with one of his fine cases in the hospitality suite
after the banquet Saturday as a consolation prize for finishing last among
the foxes. This was one of the cases he keeps stockpiled at home and refers
to from time-to-time. The case is excellent!

Thanks again Chuck!

From owner-qrp-1@netcom.com Mon May 1 18:28:34 1995

Message-Id: <199505011828.AA01207@nyjets.bigcat.bellcore.com>

Subject: Groovy Colors for Groovy Rigs.

Date: Mon, 01 May 95 14:28:34 -0400

From: Luis Anaya <papo@bigcat.bellcore.com>

\ifyoutakeittooseriouslyyoullhaveahearattackmode {

The color of your rig must be in sync with your personality. Specially with those cute lil' rigs which are called QRP or Coorpees. After spending a painful afternoon dealing with circuits, burning your finger with a solder, it is time to relax and think about what colors are going to reflect your personality. For those faint at heart to use your imagination, there is a list of suggested colors or schemes. Some that have been suggested by people over the list and others that have been researched by a weird psychology doctor from the University of Nowhere.

1. Pink, because we're HAMS. Due to the relationship of the acronym or common pro-sign for amateur operators with the porcine delight, some operators paint their Coorpees with this color. Glaze, pineapples and cherries must be kept at minimum to avoid harmful interference with the Coorpee's electronics.
2. Beige, that's the one given by the company. Coorpees manufacturers try to minimize their costs to the minimum, so they get their paint from computer manufacturers, because is so darned cheap and common. This color scheme makes the Coorpees pretty lame and boring. Only use it if you are planning to spend the rest of the afternoon watching the grass growth.
3. Camouflage (Green in all its varieties or Desert), Operators which like to imagine being in a trench sending SOS to their reinforcements so they can send a pint of Bass(TM) Ale to them, should use this color. However, you must be really careful when you operate at night, you might pick up a piece of bark instead of your rig. If that's the case, you should use Blaze Cammo.
4. Safety Orange. Paranoid operators which prize their Coorpees should paint their rigs with this color. However they should be warned that the use of this color in a sunny day might be harmful to the operator's eyes. Use a solder mask while operating under direct sunlight.
5. Black black or charcoal gray, Coorpee operators which like to be seen as sophisticated or sexy should use this color. However, it presents a danger of mistake an RF burn with common heat due to sun overexposure. If you are going to have a black coorpee, use it on the low bands at night in a very bright room.
6. White, coorpees operators like to have a white one so it can match with many other thing in the room. These coorpees look well with pink knobs which gives it an air of Art Deco. When you operate this rig, please have a Spyrogira CD playing in the background.
7. Metal, Coorpee operator that use metal case without providing an appropriate color are just being a tad lazy or they just want to show their abilities as an electronic technician. They are functional but too rustic. Put these rigs on a metal shelf.

8. Wood, Coorpees operators that use wood cases are nostalgic of days long gone. They look pretty if they use cherrywood or dark oak. You must be careful to provide enough shielding and avoid any places that it will heat up. You might end up with a burnt coorpee.
9. Psychedelic colors, Coorpee operators which are nostalgic with the 60's, should use this patterns.
10. Silver and Royal Blue stripes. Coorpee operators which are nostalgic with the 70's should use this pattern. Use a beige polyester bag to store the coorpee.
11. Brown, Operators that are planning to behave and imitate this famous archeologist with a brown fedora hat, a brown lambskin bomber jacket and a brown whip should paint their rigs in this color.
12. Neon Green with Neon Pink, Operators that still believe that they are still pretty groovy should use this color scheme. Use bright orange knobs.
13. Light Gray, Operators that believe that are part of starfleet and think that their coorpee is actually a subspace communicator should use this color. Afix the proper decals on the side to indicate if you are a Trekkie, a Babby or a StarWarssie.

}

In good health.. :)

--

Luis Roberto Anaya-Rivera
The Installator
Bellcore, NJ

papo@donuts0.bellcore.com
papo@bigcat.bellcore.com
Ham: N2ZXE/AG

From owner-qrp-l@netcom.com Mon May 1 21:16:10 1995
Date: Mon, 1 May 1995 14:16:10 -0700 (PDT)
From: Steven Wilson <randyw@crl.com>
Subject: Re: Groovy Colors for Groovy Rigs.
Message-Id: <Pine.SUN.3.91.950501141436.18840A-100000@crl12.crl.com>

ATTABOY.... ATTABOY.....

Of all the responses yours makes sense..... I think I have been surfing the net to loooooooooooooog

de stan ak0b

From owner-qrp-l@netcom.com Mon May 1 18:48:11 1995
From: RAINS@NKU.EDU
Date: Mon, 01 May 1995 14:48:11 -0400 (EDT)
Subject: Help w/ VOX circuit
Message-Id: <01HPZQPMX082BWAFN6@NKU.EDU>

Just wondering if anyone has the plans for an easy to build VOX circuit? Any help is greatly appreciated.

Justin AA9KM
rains@nku.edu

From owner-qrp-l@netcom.com Mon May 1 02:58:06 1995
Date: Sun, 30 Apr 1995 21:58:06 -0500
Message-Id: <199505010258.VAA33304@audumla.students.wisc.edu>
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: How Dayton relates to QRP

I was going to name this post "Sunny. Clear skies. Can this be Dayton?" but the anti-wx posts dissuaded me.

"I'm going to heaven for four days," is how I explained my vacation to co-workers, and of course I was talking about my first-ever visit to the Hamvention.

I especially wanted to speak with the attending members of the qrp list. You are all radio gods to me (and a few, sigh, very few goddesses). The chance to actually see you all in person proved better than rare DX.

Some of you I did get to meet in order to state how much I've appreciated your postings and this list in general, but I wasn't able to personally talk with enough of the qrp-l attendees. I especially wanted to tell Nils Young, WB8IJN, how much I've enjoyed his humor (especially a post about Dayton), but oh well, maybe next year. I really wanted to meet the cosmic high god of the qrp universe - Ade Weiss, W0RSP, but he wasn't there either.

Oh yeah, what does Dayton have to do with qrp and this list?

Dayton for me was what ham radio--and qrp are all about.

Thanks to this special aspect of the hobby, and it's expression on this listserv, I was able to talk with and learn from some of the kindest, friendliest, as well as most knowledgeable and intelligent radio folks you'd ever want to meet.

Bless you all. Special thanks to Jim Fitton, who ever so patiently expended hours explaining to me the basics of soldering and circuit board construction. I will remember your example in the years to come and will try to help new people in the same way you assisted this qrp neophyte.

See you next year,

73 de N90UH
Paulette Quick
plquick@facstaff.wisc.edu

P.S. Wondering how to explain to non-ham friends why getting a "Brass Racer" door prize is an occasion of wild joy.

From owner-qrp-l@netcom.com Mon May 1 12:25:01 1995
Date: Mon, 1 May 1995 12:25:01 GMT
From: Goran Hosinsky <hosinsky@royac.iac.es>
Message-Id: <9505011225.AA11443@royac4.royac.iac.es>
Subject: Loss in parallel coax cables (long)

CONCLUSION: A balanced line made from 2 parallel coax cables,
($Z = 2 * Z_0$) or 4 parallel coax cables, ($Z = Z_0$)
has the same loss as a single coax cable of the
same type.

Gang,

I am sorry if this is a double posting. Posted it last week but have not seen it reflected.

I have been using the RF-1 again. Was thinking of using parallel coax cables from the antenna past the rotor before continuing

with balanced line (not ladder line, last sunday measurements killed that idea!). I tested 4 pieces of RG59 (75 ohm line) to see what the effect of paralleling the lines would be, thinking that dividing the current between the 4 conductors would reduce loss with a factor of 4. But this was not the case, I got the same loss as using one piece of coax of the same type.

The pieces were 13.3 meters long, about 8 years old, had been mounted indoors for camera signals. The loss at 29 MHz was 0.93 dB, 7% more than catalogue data. As the measurements were done at the same frequency and the same levels of impedance the absolute precision is not important, the conclusion that the loss in the different cases are the same is valid even with rather sloppy measurements.

I received some questions on how I did the measurements on the 300 ohm ladder line and what the precision was so here goes:

1) THE INSTRUMENT:

The RF-1 is an variable oscillator 1.1-36 MHz with a frequency counter (resolution 10 kHz) and some sort of RF voltmeter that measures the magnitude of Z, that is it measures

$$[\text{Square_root_of}(R_squared + X_squared)]$$

where R and X are the resistive respective reactive parts of the complex impedance $Z = R + jX$

Resolution: 1 ohm

2) PRECISION:

The manual specifies typical precision as 4% for 20-450 ohm, 12% 8-2000 ohm without specifying frequency.

Parallel output capacitance 6-7 pF

series inductance 0.02uH

I have tested frequency response with a few resistors:

Short inside coax connector:

0 ohm	1-18 MHz	8 ohm @ 30 MHz	9 ohm @ 36 MHz
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Resistors in coax connector:

148 ohm	1-12 MHz	145 ohm @ 30 MHz	142 ohm @ 36 MHz
15 ohm	1-19 MHz	17 ohm @ 30 MHz	18 ohm @ 36 MHz

1% carbon film resistor connected with crocodiles, not mounted in coax connectors:

150 ohms resistor: 146 - 148 ohm 1-36 MHz

49.5 ohm resistor 51 ohm 1-20 MHz 55 ohm @ 30 MHz, 58 @ 36

The measurements with the shorted cables (see below) fell all very nicely along a line. The resolution of the RF-1 (1 ohm) was not sufficient to get a spread in the measurements but of course there can be systematic errors in the data. I would think, though, that the errors are less than 10%

3) IMPEDANCE MEASUREMENT:

A transmission line terminated in a load not equal to the line impedance will have an input $R + jX$ which varies with the line length. At halfwave length the load will be reflected at the input, at $1/4$, $3/4$ etc the load will be transformed, a load with $Z < Z_0$ will have an input impedance $> Z_0$, a load with $Z > Z_0$ will have an input impedance $< Z_0$.

By connecting a resistor as a load and then changing the line length (i.e. sweeping the frequency) you will find varying input Z if the resistor is not equal to the line impedance. Adjust the resistor so you have minimum variations - and voila, there is your line impedance.

4) LOSS MEASUREMENTS:

The RF-1 manual gives the following formula, giving the ARRL antenna book as reference:

$$\text{loss (dB)} = 8.69 * \text{Minimum } Z / \text{Cable impedance}$$

when the line is shorted or open at the end, i.e. with infinite load SWR.

Sweeping the frequency there is a minimum input Z (for a shorted line) at each $1/2$ wavelength with due to line loss > 0 (a lossless line would reflect a $Z=0$ at the half wavelength point).

I used 100 feet of 300 ohm line hanging in the air.

I used a shorted line, the open line did not give clean measurements, especially with the RG59 coax cables.

Noting the minimum Z values when sweeping past each $n * 1/2$ wavelength ($1/2$ $2/2$ $3/2$ wavelengths etc) I calculated the loss at each of these frequencies and so got a line showing me the loss for a matched line as a function of frequency.

I am not sure I have made the method completely clear above, if you have questions please send me a mail.

I did another test too: To find out how sensible the ladder line is for the environment I repeated the measurements with the line lying on dry ground. Loss then went up to about 1.4 dB at 28 MHz.

This could be also be interpreted as a change in line Zo but it goes in the wrong direction giving higher values for Zo.

I will be off the list two weeks starting the end of the week, on holiday. Will pass the city of Daniel and hopefully pick up a few of those RCA 40673's that still can be bought there.

73
Goran EA8YU

From owner-qrp-l@netcom.com Mon May 1 05:28:09 1995
Message-Id: <2fa4716c.pandora@pandora.lugs.po.my>
Date: Mon, 01 May 1995 13:28:09 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.po.my>
Subject: MAX187

Does anyone know who sells the MAX187 A/D converter? I can't seem to find any suppliers for this part. Also how much is one? Thanks. Any help appreciated.

73 de 9V1ZV Daniel

p.s. This part is for a homebrew rotor controller.
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+-----+-----+
| Daniel Wee | daniel@pandora.lugs.po.my |
| 9V1ZV      | daniel.wee@f516.n600.z6.fidonet.org |
| UUCP1.12j  | Packet: 9V1ZV @ 9V1VS.SGP.AS -- |
+-----+-----+
```

From owner-qrp-l@netcom.com Mon May 1 19:25:22 1995
Date: Mon, 1 May 1995 13:25:22 -0600 (MDT)
From: Jack Mott <jackm@pmafire.inel.gov>
Subject: Misc Questions
Message-Id: <Pine.HPP.3.91.950501131556.7812C-100000@pmafire.inel.gov>

I am just getting started in amateur radio, and I have a number of "odds-and-ends" questions.

- 1) Where can I obtain a data sheet for the NE602 part?
- 2) What sources are there for multiple plate tuning capacitors and reduction drives? I am planning to put together a DDS synthesizer, but I would like to compare it against a traditional VFO.

3) What are popular VCO and PLL parts ranging from audio to VHF?

4) What is the color coding scheme for toroids.

Charles Mott (no call sign yet)

From owner-qrp-1@netcom.com Mon May 1 20:26:00 1995
Message-Id: <9505011928.AA04555@eodpoe.navsea.navy.mil>
From: GEHL.EODTC@eodmgate.navsea.navy.mil (GEHL, ALAN)
Date: Mon, 01 May 1995 15:26 EST
Subject: Request info on oscillator

HI,

I am interested in QRP circuits for Fox hunting two meters. I am building my own equipment but need a tx for field testing.

Does anyone have a stable two meter oscillator circuit? I would prefer a setup which is frequency selectable (and not by changing xtals all the time) if possible.

Power output of < 1 watt is what I am targeting.

Any help would be appreciated.

New user:

Alan Gehl

KA3ZQY

Message-Id: <Pine.SV4.3.91.950501164743.8859A-1000000@atl1.america.net>

Just visited some of the web servers dealing with qrp. Found Kanga page very interesting and well done. To access, use <http://ncc1701-d.cc.nd.edu/Kanga/>

Lots of info. Also that referred me to a page on the NC State University server where I found some QRP projects described. You can go direct to that server by using <http://www.acs.ncsu.edu/HamRadio> and browsing around. You'll see the Project page and it has the QRP stuff on it.

I also found some good stuff on the QRZ server. It can be reached by using <http://ftp.qrz.com/>

BTW, You should note that Mr. Lloyd seems to have his callsign database current up to about a week ago. I found call signs on there a/o April 22. He also has a page of what he calls "ftp" info. In that page he has directories and one is labeled "files". Down in there somewhere is a directory on QRP with a bunch of equipment reviews. Happy hunting!

I suspect someone will set up a QRP www page soon with all this readily accessible.

73/72/jim/w4qo

From owner-qrp-l@netcom.com Mon May 1 19:47:12 1995
Message-Id: <9505011946.AA15122@garnet.inel.gov>
Date: Mon, 01 May 1995 13:47:12 -0600
From: LVE1@inel.gov (Larry East)
Subject: What color should I paint my rig?

I find this thread of discussion about as stimulatig as the Dayton WX reports -- no wonder the Britt's think this list is too cluttered with junk (see comment in most recent issue of SPRAT)!

Geezzz... don't you folks have something more productive to discuss??

"Any opinions expressed herein are my own and probably do
not agree with those of my employer, the U.S. Government
or my spouse"

--... --
Larry V. East (W1HUE)
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From owner-qrp-l@netcom.com Sun Apr 30 20:02:41 1995
Date: Sun, 30 Apr 1995 15:02:41 -0500 (EST)
From: "David Moody, KD8NY" <MOODY@admin.rose-hulman.edu>
Subject: Re: What color should the rig be..... ?
Message-Id: <01HPYCYOJG6YHTRWYV@ADMIN.Rose-Hulman.EDU>

....Blaze orange with black lettering ought to wake up the most tired of
Field Day operators. Not sure if it would be hazardous to anyone's health
or eyesight though.

Or maybe signal red with blue lettering. That would kill a person's eyes.

Call it boring, but a dark gun metal gray with white lettering looks very
good. Not too loud, not too soft-spoken. Good even application of paint
and it looks quite professional.

Much can be done with auto body paints and the variety of colors. I guess
it all boils down to personal use, and the application for the rig, and
whether you want or need people to take notice of it.

My two milliwatts worth...

72, David Moody, KD8NY

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Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From owner-qrp-l@netcom.com Mon May 1 03:04:54 1995
Date: Sun, 30 Apr 95 22:04:54 CDT
From: gcouger@jsun.agen.okstate.edu (Gordon Cougar)
Message-Id: <9505010304.AA13486@jsun.agen.okstate.edu>
Subject: Re: What color should the rig be..... ?

Blaze orange and blue are the worst colors you can put together. They focus at different point in our eyes. Seems our eyes correct a lot problems in software.

Gordon

From owner-qrp-l@netcom.com Mon May 1 03:36:55 1995
Message-Id: <abca059b130210037e6f@[129.74.35.16]>
Date: Sun, 30 Apr 1995 22:36:55 -0500
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: Re: What color should the rig be..... ?

Shouldn't someone create a rig-color-l list for all this?

From owner-qrp-l@netcom.com Mon May 1 11:21:49 1995
Message-Id: <9505011121.AA16472@esds01.es.dupont.com>
Date: Mon, 1 May 95 07:21:49 EDT
From: "Stephen M. Shearer, 695-7719" <shearer@eplram.dnet.dupont.com>
Subject: RE: What color should the rig be..... ?

Desert camo colors.... dark(er) tan and off white.

Keep the colors light, the sun on Field Day makes for a very hot case...

I would also like to see a kit made without painted case or lettering. With all the mods, I would like to have the lettering all the same...

73, Steve WB3LGC

From owner-qrp-l@netcom.com Mon May 1 11:49:57 1995
Date: Mon, 01 May 1995 06:49:57 -0500 (EST)
From: cebik@UTKVBX.UTCC.UTK.EDU
Subject: Re: What color should the rig be..... ?
Message-Id: <Pine.3.89.9505010601.A543226031-0100000@utkvx.utk.edu>

On Sun, 30 Apr 1995, Steve Hideg wrote:

> Shouldn't someone create a rig-color-1 list for all this?

Not at all. Part of qrp operating involves the physical process of manipulating and controlling the equipment. Size, shape, materials, colors, and other factors enter into all levels of operating, from the basic ability to correctly adjust the rigs controls on the first try with only a glance at the panel to achieving maximum success in operating under any specified set of conditions. They are as important a set of considerations as the choice of a key or the choice of circuits within the case. Ergonomics, as the study of the relationship of the user to the equipment is often called at the formal level, is both a science and an art. Studies have been made of such things as panel angle vs. operator position to ensure ease of a. reading the panel indicators correctly and b. reaching controls with the wide range of human arm length and hand size. Lighting, knob size and shape, variety of shapes and colors on the panel, position of most-to-least used controls, and dozens more factors go into ergonomically-satisfactory designs. Color for both day and "night" vision, especially for field work, one important aspect of rig design worth discussion, and some of the entries on the list have made significant contributions on questions of which colors work and which are not likely to work. Of course, in qrp, especially for the field, operating ergonomics often takes second place to equipment transport and packaging matters. But such factors can make a difference in either making or losing a contact and in fatigue during long operating exercises such as contests. Because the subject cannot be reduced to either a set of design formulas or to a set of concerns with a long ham history, the discussion is likely to be quite informal and unstructured. But it remains important to future rig building. The shape of things to come may not be the shape of things past.

-73-

LB, W4RNL

From owner-qrp-1@netcom.com Mon May 1 15:43:21 1995
Date: Mon, 01 May 95 10:43:21 EST
From: harry_chase@smtpgw.windata.com (harry chase)
Message-Id: <9504017993.AA799350201@smtpgw.windata.com>
Subject: Re: What color should the rig be..... ?

This is *HAM* radio --- the rig should be PINK !!

Harry
WA1VVH

From owner-qrp-1@netcom.com Mon May 1 18:56:14 1995
Date: Mon, 1 May 1995 11:56:14 -0700 (PDT)
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>
Subject: Re: What color should the rig be..... ?
Message-Id: <Pine.3.89.9505011129.A29258-0100000@freenet.vancouver.bc.ca>

It all depends upon the intended usage.

For backpacking and true wilderness operation the colour MUST contrast with the surrounding flora to avoid becoming lost. Ergonomics dictates that ALL controls are best placed on TOP of the enclosure along with antenna and battery connectors - the lower half of the enclosure being completely waterproof. A hinged lid over the control panel is desirable to keep out moisture, sand, ants etc. For example, I have one of my "Epiphyte" boards (modified to put out 4 - 5 Watts) packed into a small plastic recipe-card box found in all stationary stores.

But the purpose of this posting is to draw attention to the appalling lack of imagination displayed by the average homebrewer in the choice of colour for the components actually mounted on the PCB - and even in the choice of colour of the PCB itself. Whilst semiconductors continue to come in "any colour you want - so long as it's black", the same is not true of most other components. There is no excuse for not "creating" something that is both functional and aesthetically pleasing. Find a nice piece of bright blue PCB and gold-plate the traces after etching. Use an orange relay as the centerpiece set in a sea of blue, yellow and green caps. Be sure to lay the resistors flat to display the true magnificance of the coloured bands. Be creative.

Maybe we should have an annual PCB "art show"1

72 Derry VE7QK

From owner-qrp-1@netcom.com Mon May 1 20:36:59 1995
From: rarland@epix.net
Date: Mon, 1 May 1995 16:36:59 -0400 (EDT)
Subject: Re: What color should the rig be..... ?
Message-Id: <Pine.SUN.3.91.950501163635.25551A-1000000@peach.epix.net>

y

On Mon, 1 May 1995, harry chase wrote:

> This is *HAM* radio --- the rig should be PINK !!

>

> Harry

> WA1VVH

>

You ARE one sick puppy!

72 rich

From owner-qrp-1@netcom.com Sun Apr 30 07:43:18 1995

Date: Sun, 30 Apr 1995 00:43:18 -0700 (PDT)

From: "Hal R. Waite" <halwaite@netcom.com>

Subject: WTB: HP 410C VTVM with RF Probe Intact

Message-Id: <Pine.3.89.9504300053.A24154-0100000@netcom13>

Looking for the above model or perhaps an earlier one if the price is right.
My boatanchors need troubleshooting on the receive AGC line.

Hal K4GFI/7 Las Vegas halwaite@netcom.com